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("electronic ink" OR "electric ink" OR "handwriti

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Scholar Articles and patents 1980 - 2004 include citations Create email alert Results 1 - 10 of about 156. (0.02 sec)

Universal symbolic handwriting recognition system

FC Carman - US Patent 5,454,046, 1995 - Google Patents

... **TREE NODE** 386 CREATE AND VISIT DOWN SEARCH **TREE NODE** 388 ... 410 PERFORM  
 PARSER-LEVEL **RECOGNITION** 428 416 WORD CONFIRMATION 430 420 ... 5,454,046 10 20  
 UNIVERSAL SYMBOLIC **HANDWRITING RECOGNITION** SYSTEM TECHNICAL FIELD The ...

Cited by 87 - Related articles - All 2 versions

Incremental system for real time digital ink analysis

S Raghupathy, MM Shilman, Z Wei ... - US Patent App. 10/ ..., 2002 - Google Patents

... 05 CO Mark Changed **Nodes** in **Snapshot** as Parser Dirty Appropriately Rewrite Doc **Tree** Based  
 on ... follow these instruc- tions may cause **recognition** errors or other errors when the **electronic ink**  
 is presented to an associated **handwriting recognition** system, thereby ...

Cited by 1 - Related articles - All 3 versions

Finger mouse and gesture recognition system as a new human computer interface

BK Ko... - Computers &amp; Graphics, 1997 - Elsevier

... group at IBM constructed a spreadsheet application that combines gesture and **handwriting** [4].  
 Buxton's ... Figure 9 shows a decision **tree** for the set of gestures of our example ... Eager **recognition**  
 refers to 4. FINGER DRAW-AN EXAMPLE GESTURE-BASED APPLICATION FDraw ...

Cited by 24 - Related articles - BL Direct - All 2 versions

Incremental system for real time digital ink analysis

S Raghupathy, MM Shilman, Z Wei... - US Patent App. ..., 2002 - freepatentsonline.com

... and methods according to the invention may relate to an overall **electronic ink** processing system ...  
 Similarly, if the parser engine 1308 is a **handwriting recognition** system 310, the output may ... As  
 noted above, however, the user 1300 may change the document **tree** data structure ...

Cached

[PDF] The thesis of Ching-Wei Chen is approved.

E Chang ... - 2001 - Citeseer

... multiple letters, and groups of several words, to be treated as one unit for **handwriting**  
**recognition**. ... previously completed strokes, and uses it's proprietary **recognition** engine to decide  
 what was written. ... Figure 6 provides a **snapshot** of PenOffice in action. ...

Related articles - View as HTML - All 3 versions

[\[PDF\] from psu.edu](#)Evolutionary learning of modular neural networks with genetic programming

SB Cho... - Applied Intelligence, 1998 - Springer

... 5(b)). • Mutation: Mutation changes each **tree node** to a new **node** in proportion to the mutation  
 rate. ... The network is constructed as  $100 \times 20 \times 10$ , where the number of hidden **nodes**, 20, has  
 been ... Workshop Frontiers in **Handwriting Recognition**, Montreal, Canada, 1990, pp. ...

Cited by 38 - Related articles - BL Direct - All 6 versions

[\[PDF\] from yonsei.ac.kr](#)Ink divider and associated application program interface

S Dodge, A Gounares, AJ Goldberg... - US Patent App. 10/ ..., 2003 - Google Patents

... Classification Analysis 314 Annotation Drawings /306 Writing Normalization /308 **Handwriting**  
**Recognition** 310 Lines ... faces where, for example, users can input and interact with **electronic ink**  
 on a ... for ease of use, compatibility, making possible improved **handwriting** rec- ognition ...

Cited by 6 - Related articles - All 3 versions

Recognition of handwritten similar Chinese characters by neural networks

HC Fu... - ... Networks for Signal Processing [1996] VI ... , 1996 - ieeexplore.ieee.org

... output 01 (denoted as "N"), if the D-**node** outputs is lower than Thd, and the S- **node** output is ...  
 Figure 7: The decision **tree** in the MUXNET. ... classifier **recognition** systems, in the proceedings  
 of the fourth inter- national workshop on frontiers in **handwriting recognition** (IWFHR-IV ...

Cited by 2 - Related articles - All 2 versions

Data clustering: a review

AK Jain, MN Murty... - ACM computing surveys (CSUR), 1999 - portal.acm.org

... an increasing in- terest in the use of clustering methods in pattern **recognition** [Anderberg 1973 ...  
 of vari- ous clustering algorithms for construct- ing the minimal spanning **tree** and the ... Michalski  
 and Stepp 1983] which are represented as trees, where the parent **node** represents a ...

Cited by 5150 - Related articles - BL Direct - All 167 versions

[\[PDF\] from psu.edu](#)Ink divider and associated application program interface

S Dodge, A Gounares, AJ Goldberg... - US Patent App. ..., 2003 - freepatentsonline.com

... and methods according to examples of this invention may be used with pen-based computing  
 systems that accept and process **electronic ink** and ink ... 3 ), and the other is a **recognition** engine  
 408 (which may conduct, for example, **handwriting recognition** analysis 310 and/or ...

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Results 1 - 10 of about 362. (0.03 sec)

[\[PDF\] Off-line Omni-style Handwriting Arabic Character Recognition System Based on Wavelet Compression](#)[\[PDF\] from psu.edu](#)

AA Aburas... - Arab Research Institute in Sciences &amp; ... 1994 - Citeseer

... The **tree** is known as a filter bank as depicted in Fig. 2 At each level, the signal is decomposed into low and high frequencies. ... Page 5. Off-line Omni-style **Handwriting Arabic Character Recognition System Based on Wavelet Compression** 127 FIG. ...

[Cited by 6](#) - [Related articles](#) - [View as HTML](#) - [All 4 versions](#)[Reduction of non deterministic automata for hidden Markov model based pattern recognition applications](#)[\[PDF\] from psu.edu](#)

F Maire, F Walthine... - At 2003. Advances in Artificial Intelligence, 2003 - Springer

... Most on-line cur- sive **handwriting recognition** systems use a lexical constraint to help improve the ... in storage can be obtained simply by using a trie (a well known **tree**-like data ... have worked on similar problems with Finite State Automata (FSA) for Automatic Speech **Recognition**. ...

[Cited by 3](#) - [Related articles](#) - [BL Direct](#) - [All 16 versions](#)[Distance features for neural network-based recognition of handwritten characters](#)[\[PDF\] from jnu.ac.kr](#)

IS Oh... - Journal on Document Analysis and Recognition, 1998 - Springer

... From the **tree** structures, character models for each class are constructed so that they can be ... Since a neural network architecture requires a fixed number of input **nodes**, the numerical ... 1. The evaluation is performed in the specific domain of **handwriting recognition** by the neural ...

[Cited by 55](#) - [Related articles](#) - [All 3 versions](#)[Incremental system for real time digital ink analysis](#)

S Raghupathy, MM Shilman, Z Wei... - US Patent App. 10/ ..., 2002 - Google Patents

... 05 CO Mark Changed **Nodes** in Snapshot as Parser Dirty Appropriately Rewrite Doc **Tree** Based on ... follow these instruc- tions may cause **recognition** errors or other errors when the **electronic ink** is presented to an associated **handwriting recognition** system, thereby ...

[Cited by 1](#) - [Related articles](#) - [All 3 versions](#)[On the choice of training set, architecture and combination rule of multiple mlp classifiers for multiresolution recognition of handwritten characters](#)[\[PDF\] from psu.edu](#)

U Bhattacharya, S Vajda, A Mallick, BB Chaudhuri... - 2004 - computer.org

... A wavelet transform is usually implemented by a binary **tree** of filters. ... Proceedings of the 9th Int'l Workshop on Frontiers in **Handwriting Recognition** (IWFHR-9 2004) 0-7695-2187-8/04 \$20.00 ... where  $w_{jk}(t)$  is the weight connecting a hidden **node**  $j$  with an output **node**  $k$  while  $w_{ij}(t)$  ...

[Cited by 19](#) - [Related articles](#) - [All 9 versions](#)[Method and apparatus for an improved language recognition system](#)

H Alshawi - US Patent 5,870,706, 1999 - Google Patents

... Probabilities are assigned as the sum of probabilities of all **tree** derivations for which words in the candidate string appear as fringe **nodes**. ... methods are appli- cable to all modalities of language **recognition**, including, without limitation, **handwriting recognition** and optical char ...

[Cited by 38](#) - [Related articles](#) - [All 2 versions](#)[Incremental system for real time digital ink analysis](#)

S Raghupathy, MM Shilman, Z Wei... - US Patent App. ..., 2002 - freepatentsonline.com

... [0042] Systems and methods according to the invention may relate to an overall **electronic ink** processing system ... and the other is a **recognition** engine 1308 (which may conduct, for example, **handwriting recognition** analysis 310 and/or annotation **recognition** analysis 314 ...

[Cached](#)[Electronic ink processing](#)

J Wakeam, R Duncan, B Dresevic... - US Patent App. 10/ ..., 2003 - Google Patents

... 24,2005 (54) **ELECTRONIC INK PROCESSING** (75) Inventors: Jamie Wakeam, Redmond, WA (US); Richard Duncan, Kirkland, WA (US); Bodin Dresevic, Bellevue, WA (US); Kerry Sutanto, Kirkland, WA (US); Sashi Raghupathy, Redmond, WA (US); Timothy H. Kannapel ...

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S Dodge, A Gounares, AJ Goldberg... - US Patent App. 10/ ..., 2003 - Google Patents

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[Cited by 5](#) - [Related articles](#) - [All 3 versions](#)[\[PDF\] A rapidly learning interpretation system for on-line cursive handwriting](#)[\[PDF\] from psu.edu](#)

G Qian... - 1998 - Citeseer

... The analysis employs pruning of a **tree** based lexicon. ... boundary of high and middle zones that we have found to be important for both **handwriting recognition** and learning. ... The idea of describing **handwriting** as a sequence of feature vec- tors is widely used; see, for example ...

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